

# Product Datasheet

## CD47 Antibody (IAP/964)

### NBP2-44408-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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Updated 10/23/2024 v.20.1

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**NBP2-44408-0.1mg**

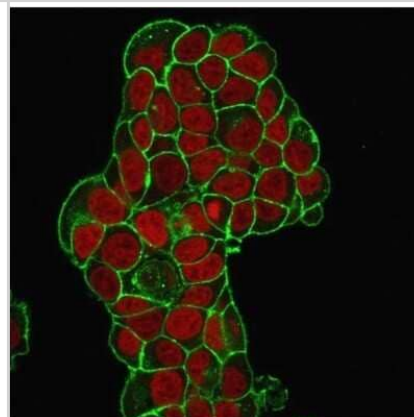
CD47 Antibody (IAP/964)

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.2 mg/ml
<b>Storage</b>	Store at 4C.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	IAP/964
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	10 mM PBS with 0.05% BSA
<b>Target Molecular Weight</b>	50 kDa
<b>Product Description</b>	
<b>Description</b>	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP3-08974)  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
<b>Host</b>	Mouse
<b>Gene ID</b>	961
<b>Gene Symbol</b>	CD47
<b>Species</b>	Human, Mouse
<b>Specificity/Sensitivity</b>	This antibody reacts with Ig domain of CD47 protein. CD47, originally named integrin-associated protein (IAP), is a 50kDa protein containing five membrane-spanning sequences and a short cytoplasmic tail. CD47 plays a role in both cell adhesion by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins. It is important in memory formation and synaptic plasticity in the hippocampus. CD47 may play a role in membrane transport and/or integrin dependent signal transduction.
<b>Immunogen</b>	Recombinant full-length human CD47 protein (Uniprot: Q08722)
<b>Product Application Details</b>	
<b>Applications</b>	ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Flow Cytometry 1-2 ug/million cells, ELISA, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml
<b>Application Notes</b>	Optimal dilution for a specific application should be determined. ELISA: For coating, order antibody without BSA

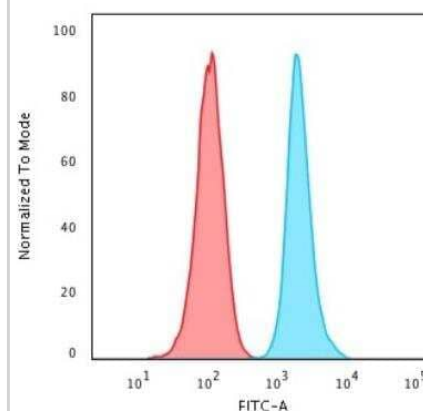


## Images

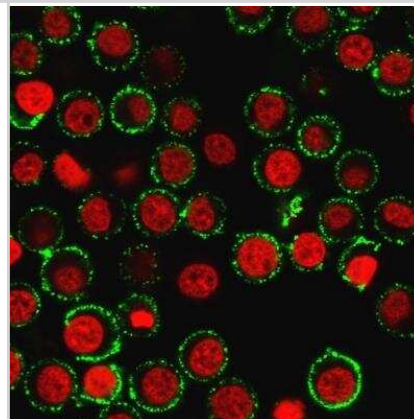
Immunocytochemistry/Immunofluorescence: CD47 Antibody (IAP/964) [NBP2-44408] - Immunofluorescence Analysis of PFA-fixed MCF-7 cells. CD47 Mouse Monoclonal Antibody (IAP/964) followed by goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Redot.



Flow Cytometry: CD47 Antibody (IAP/964) [NBP2-44408] - Flow Cytometric Analysis of live-Jurkat cells. CD47 Mouse Monoclonal Antibody (IAP/964) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).



Immunocytochemistry/Immunofluorescence: CD47 Antibody (IAP/964) [NBP2-44408] - Immunofluorescence Analysis of Live Jurkat cells. CD47 Mouse Monoclonal Antibody (IAP/964) followed by goat anti-mouse IgG-CF488 (Green). The nuclear counterstain is Redot.





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### **Products Related to NBP2-44408-0.1mg**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-52320-0.05mg	Recombinant Human CD47 hIgG-His Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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